

What is claimed:

1. An image pick up device comprising:

a pick-up unit for picking up an image condensed on a line sensor through a lens;

a chromatic aberration correction board with a predetermined pattern in accordance with a pick-up resolution;

an interpolation factor calculation unit for calculating chromatic aberration interpolation factors to be used for a chromatic aberration correction by using digital image data on the chromatic aberration correction board picked up by the pick-up unit; and

a chromatic aberration unit for correcting the image data picked up from an original image by using the chromatic aberration interpolation factors.

2. An image pick up device comprising:

a pick-up unit for picking up an image condensed on a line sensor through a lens;

a chromatic aberration correction board with a predetermined pattern in accordance with a pick-up resolution;

an interpolation factor calculation unit for calculating chromatic aberration interpolation factors to be used for a chromatic aberration correction by using digital image data on the chromatic aberration correction board picked up by the pick-up unit;

11 a line memory for storing the chromatic aberration
12 interpolation factors calculated by the interpolation factor
13 calculation unit; and

14 a chromatic aberration unit for correcting the image data
15 picked up from an original image by using the chromatic
16 aberration interpolation factors outputted from the line memory.

1 3. An image pick-up device comprising:

2 a pick-up unit for picking up an image condensed on a line
3 sensor through a lens;

4 a chromatic aberration correction board with a
5 predetermined pattern in accordance with a pick-up resolution;

6 a character amount extraction unit for finding a character
7 amount of the image by using digital image data on the chromatic
8 aberration correction board picked up by the pick-up unit;

9 an interpolation factor setting unit for setting chromatic
10 aberration interpolation factors to be used for a chromatic
11 aberration correction in accordance with the character amount
12 extracted by the character amount extraction unit; and

13 a chromatic aberration correction unit for correcting the
14 image data picked up from an original image by using the
15 chromatic aberration interpolation factors set by the
16 interpolation factor setting unit.

1 4. The image pick-up device according to Claim 3, wherein the
2 interpolation factor setting unit has a line memory for storing
3 a character amount.

1 5. The image pick-up device according to Claim 3, wherein the
2 interpolation factor setting unit includes means for setting
3 chromatic aberration interpolation factors at a changing point
4 where a character amount changes.

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